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**PROCESS FOR PREPARING HOMOPOLYMERS, COPOLYMERS  
AND/OR BLOCK COPOLYMERS BY LIVING POLYMERIZATION  
USING METALLOCENES HAVING A DONOR-ACCEPTOR  
INTERACTION**

ABSTRACT OF THE DISCLOSURE

The present invention relates to a process for preparing homopolymers, copolymers and/or block copolymers of 1-olefins by living polymerization, to the use of the homopolymers, copolymers and/or block copolymers obtained for producing high-value materials and to the polymers formed from these homopolymers and/or block copolymers.